

L Number	Hits	Search Text	DB	Time stamp
-	185	83/178	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/24 17:37
-	111	83/185	USPAT; US-PGPUB	2004/05/24 17:38
-	49	83/185 and (tube or pipe)	USPAT; US-PGPUB	2004/05/24 17:40
-	57	83/191 and (tube or pipe)	USPAT; US-PGPUB	2004/05/24 17:47
-	55	83/582 and (tube or pipe)	USPAT; US-PGPUB	2004/05/24 17:49
-	52	83/588 and (tube or pipe)	USPAT; US-PGPUB	2004/05/24 17:51
-	19	83/627 and (tube or pipe)	USPAT; US-PGPUB	2004/05/24 17:51
-	45	83/628 and (tube or pipe)	USPAT; US-PGPUB	2004/05/24 17:53
-	70	83/914 and (tube or pipe)	USPAT; US-PGPUB	2004/05/24 17:54
-	24	83/916 and (tube or pipe)	USPAT; US-PGPUB	2004/05/24 18:24
-	65	83/917 and (tube or pipe)	USPAT; US-PGPUB	2004/05/24 18:26
-	1850	83/\$.ccls. and ((tube or pipe) same (cutting or trimming or notching))	USPAT; US-PGPUB	2004/05/25 09:46
-	361	83/54 and ((tube or pipe) same (cutting or trimming or notching))	USPAT; US-PGPUB	2004/05/25 10:01
-	10	83/36 and ((tube or pipe) same (cutting or trimming or notching))	USPAT; US-PGPUB	2004/05/25 10:01
-	12	83/471 and ((tube or pipe) same (cutting or trimming or notching))	USPAT; US-PGPUB	2004/05/25 10:02
-	40	83/452 and ((tube or pipe) same (cutting or trimming or notching))	USPAT; US-PGPUB	2004/05/25 10:03
-	93	82/46 and ((tube or pipe) same (cutting or trimming or notching))	USPAT; US-PGPUB	2004/05/25 10:07
-	824	82/\$.ccls. and ((tube or pipe) same (cutting or trimming or notching))	USPAT; US-PGPUB	2004/05/25 10:07
-	241	82/\$.ccls. and ((tube or pipe) same (cutting or trimming or notching)) and sliding	USPAT; US-PGPUB	2004/05/25 10:16
-	5	83/189 and ((tube or pipe) same (cutting or trimming or notching)) and sliding	USPAT; US-PGPUB	2004/05/25 10:17
-	13	83/189 and ((tube or pipe) same (cutting or trimming or notching))	USPAT; US-PGPUB	2004/05/25 10:20
-	2737791	30/(90-102).ccls. and ((tube or pipe) same (cutting or trimming or notching))	USPAT; US-PGPUB	2004/05/25 10:19
-	8	30/90 and ((tube or pipe) same (cutting or trimming or notching))	USPAT; US-PGPUB	2004/05/25 10:27
-	0	83/471.2-477.1.ccls	USPAT; US-PGPUB	2004/05/25 10:23
-	1720	83/471.2-477.1.ccls.	USPAT; US-PGPUB	2004/05/25 10:23
-	45	30/91.2 and ((tube or pipe) same (cutting or trimming or notching))	USPAT; US-PGPUB	2004/05/25 10:27
-	1	"6688207"	USPAT; US-PGPUB	2004/05/25 10:47
-	1	"6695191"	USPAT; US-PGPUB	2004/05/25 10:47
-	295	30/90.6	USPAT; US-PGPUB	2004/05/25 10:48
-	489	385/75	USPAT; US-PGPUB	2004/05/25 10:49
-	10	"5345952"	USPAT; US-PGPUB	2004/05/25 11:05
-	345	83/\$.ccls. and (rotating near3 cam)	USPAT; US-PGPUB	2004/05/25 11:17
-	6618	(rotating near3 cam) same shaft	USPAT; US-PGPUB	2004/05/25 11:17

-	2511	(rotating near2 cam) near4 shaft	USPAT; US-PGPUB	2004/05/25 11:17
-	1969	(rotating near2 cam) near2 shaft	USPAT; US-PGPUB	2004/05/25 11:17
-	1160	(rotating near1 cam) near2 shaft	USPAT; US-PGPUB	2004/05/25 11:24
-	187	((rotating near1 cam) near2 shaft) and cutting	USPAT; US-PGPUB	2004/05/25 11:19
-	973	((rotating near1 cam) near2 shaft) not ((rotating near1 cam) near2 shaft) and cutting)	USPAT; US-PGPUB	2004/05/25 11:35
-	194	((rotating near1 cam) near2 shaft) not ((rotating near1 cam) near2 shaft) and cutting)) and eccentric	USPAT; US-PGPUB	2004/05/25 11:35
-	5	("2327646" "4079647" "4579029" "4622793" "4833958").PN.	USPAT	2004/05/25 11:41
-	13	4987811.URPN.	USPAT	2004/05/25 11:41
-	1	"2812619".PN.	USPAT	2004/05/25 11:42
-	7	4230010.URPN.	USPAT	2004/05/25 11:42
-	40	("0155347" "0211619" "0374464" "0524691" "0706279" "1384696" "1431641" "1594155" "1665805" "1847273" "2431567" "2708970" "2882971" "3170349" "3465634" "3469481" "3779113" "4007653" "4166403" "4420314" "4257292" "4696211" "4987811" "5025691" "5056392" "5176057" "5214991" "5259225" "5438897" "5444908" "5632188" "5697278" "5752424" "5839341" "5871788" "5943934" "6076447" "6152005" "6289709" "6367362").PN.	USPAT	2004/05/25 11:43
-	0	6698324.URPN.	USPAT	2004/05/25 11:44
-	0	6698324.URPN.	USPAT	2004/05/25 11:44
-	14	("0756902" "0909285" "1243656" "1312067" "1553378" "2745492" "3387525" "3768359" "3968713" "3987695" "4987811" "5178049" "5588344" "5664473").PN.	USPAT	2004/05/25 11:44
-	1	6269721.URPN.	USPAT	2004/05/25 11:45
-	1719	(tube or pipe) and holder and tool and rotating and cam	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/25 18:27
-	17	(tube or pipe) same holder same tool same rotating same cam	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/25 18:02
-	342	(tube or pipe) and holder and tool and rotating and cam and reciprocating	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/25 18:04
-	1719	((tube or pipe) and holder and tool and rotating and cam) not (((tube or pipe) same holder same tool same rotating same cam) and ((tube or pipe) and holder and tool and rotating and cam and reciprocating))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/25 18:22

-	1702	((tube or pipe) and holder and tool and rotating and cam) not ((tube or pipe) same holder same tool same rotating same cam)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/25 18:23
-	1377	((tube or pipe) and holder and tool and rotating and cam) not ((tube or pipe) and holder and tool and rotating and cam and reciprocating)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/25 18:24
-	129	((tube or pipe) near4 cutting) and holder and tool and rotating and cam	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/26 07:44
-	271	((tube or pipe) near4 cutting) and holder and rotating and cam	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/26 07:44
-	142	((((tube or pipe) near4 cutting) and holder and rotating and cam) not ((tube or pipe) near4 cutting) and holder and tool and rotating and cam)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/26 07:45
-	0	383/188	USPAT; US-PGPUB	2004/05/26 10:10
-	172	83/188	USPAT; US-PGPUB	2004/05/26 10:20
-	38	83/188	USOCR	2004/05/26 10:22
-	29	83/189	USPAT; US-PGPUB	2004/05/26 10:24
-	11	83/189	USOCR	2004/05/26 10:44
-	148	83/191	USPAT; US-PGPUB	2004/05/26 11:08
-	53	83/191	USOCR	2004/05/26 11:11
-	72	83/178-195.ccls. and cam	USPAT; US-PGPUB	2004/05/26 11:12
-	567	83/178-195.ccls.	USPAT; US-PGPUB	2004/05/26 11:12
-	72	83/178-195.ccls. and cam	USPAT; US-PGPUB	2004/05/26 11:17
-	325	82/\$.ccls. and (tube or pipe) and cutting and cam	USPAT; US-PGPUB	2004/05/26 11:33
-	672	82/\$.ccls. and (tube or pipe) and cutting and cam	USOCR	2004/05/26 13:29
-	10	"2670795"	USPAT; US-PGPUB	2004/05/26 13:32
-	14	"3120143"	USPAT; US-PGPUB	2004/05/26 13:35
-	14	"3234838"	USPAT; US-PGPUB	2004/05/26 13:37
-	4	"3455196"	USPAT; US-PGPUB	2004/05/26 13:38
-	10	"3762263"	USPAT; US-PGPUB	2004/05/26 13:40
-	6	"3921482"	USPAT; US-PGPUB	2004/05/26 13:40
-	14	"3924502"	USPAT; US-PGPUB	2004/05/26 13:48
-	15	"3971275"	USPAT; US-PGPUB	2004/05/26 13:49
-	206	(eccentric near2 cam) and shaft and reciprocating and cutting and (tube or pipe)	USPAT; US-PGPUB	2004/05/26 14:03
-	206	(eccentric near2 cam) and shaft and reciprocating and (cutting and (tube or pipe))	USPAT; US-PGPUB	2004/05/26 14:39

-	0	((eccentric near2 cam) and shaft and reciprocating and (cutting and (tube or pipe))) not ((eccentric near2 cam) and shaft and reciprocating and cutting and (tube or pipe))	USPAT; US-PGPUB	2004/05/26 14:03
-	514	(eccentric near2 cam) and shaft and cutting and (tube or pipe)	USPAT; US-PGPUB	2004/05/26 14:04
-	308	((eccentric near2 cam) and shaft and cutting and (tube or pipe)) not ((eccentric near2 cam) and shaft and reciprocating and (cutting and (tube or pipe)))	USPAT; US-PGPUB	2004/05/26 14:04
-	232	(eccentric near2 cam) and shaft and reciprocating and (cutting and (tube or pipe))	USOCR	2004/05/26 14:05
-	153	(eccentric near2 cam) and shaft and reciprocating and (cutting same (tube or pipe))	USOCR	2004/05/26 14:05
-	12	3120143.URPN.	USPAT	2004/05/26 14:32
-	3	3455196.URPN.	USPAT	2004/05/26 14:33
-	5	("3495615" "3606565" "3617145" "3620115" "0114446").PN.	USPAT	2004/05/26 14:33
-	8	3762263.URPN.	USPAT	2004/05/26 14:34
-	19	("0984577" "1774567" "2204516" "2225272" "2473654" "3093023" "3117375" "3651569" "3802793" "3924502" "4014063" "4099310" "4488467" "4825543" "5018275" "5125690" "5129158" "5203083" "5285576").PN.	USPAT	2004/05/26 14:34
-	4	5600862.URPN.	USPAT	2004/05/26 14:35
-	8	3292473.URPN.	USPAT	2004/05/26 14:36
-	8	3292473.URPN.	USPAT	2004/05/26 14:36
-	14	("1946926" "2079974" "3292473" "4329899" "4462290" "4919025" "4939967" "4987808" "5074018" "5097576" "5133492" "5143268" "5313862" "5826479").PN.	USPAT	2004/05/26 14:37
-	0	5931075.URPN.	USPAT	2004/05/26 14:38
-	0	5931075.URPN.	USPAT	2004/05/26 14:38
-	15	("2753001" "3641858" "3867081" "3918336" "4165665" "4462290" "4515047" "4621554" "4635511" "4712461" "4919025" "4956987" "5040397" "5063801" "5301584").PN.	USPAT	2004/05/26 14:38
-	2	5826479.URPN.	USPAT	2004/05/26 14:38
-	99	(rotating near2 cam) and shaft and reciprocating and (cutting same (tube or pipe))	USPAT; US-PGPUB	2004/05/26 14:45
-	293	(rotating near2 cam) and shaft and reciprocating and (cutting same (tube or pipe))	USOCR	2004/05/26 14:46